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Ichihara-shi, Chiba, 2990108 (JP). KATO, Tomoko [JP/JP]; c/o Dow Corning Toray Silicone Co., Ltd., 2-2, Chigusakaigan, Ichihara-shi, Chiba, 2990108 (JP).

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(71) Applicant (for all designated States except US): DOW CORNING TORAY SILICONE CO., LTD. [JP/JP]; 1-3, Marunouchi 1-chome, Chiyoda-ku, Tokyo, 1000005 (JP).

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(72) Inventors; and
(75) Inventors/Applicants (for US only): MORITA, Yoshitsugu [JP/JP]; c/o Dow Corning Toray Silicone Co., Ltd., 2-2, Chigusakaigan, Ichihara-shi, Chiba, 2990108 (JP). TERADA, Masayoshi [JP/JP]; c/o Dow Corning Toray Silicone Co., Ltd., 2-2, Chigusakaigan, Ichihara-shi, Chiba, 2990108 (JP). ENAMI, Hiroji [JP/JP]; c/o Dow Corning Toray Silicone Co., Ltd., 2-2, Chigusakaigan,

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(54) Title: CURABLE ORGANOPOLYSILOXANE COMPOSITION AND SEMICONDUCTOR DEVICE

(57) Abstract: A curable organopolysiloxane composition comprising (A) a linear organopolysiloxane having at least two alkenyl groups and at least one aryl group per molecule, (B) a branched organopolysiloxane having at least one alkenyl group and at least one aryl group per molecule, and having siloxane units represented by the general formula: $\text{RsiO}_{2\beta}$, (C) a linear organopolysiloxane with both terminal ends of the molecular chain blocked by silicon bonded hydrogen atoms having at least one aryl group per molecule, and (D) a hydrosilation reaction catalyst, and a semiconductor device whose semiconductor elements are coated with the cured product of the above-described composition. The curable organopolysiloxane composition shows low viscosity, excellent filling properties, and excellent curability that cures to form a soft cured product of a large refractive index, high light transmittance, and high adhesion to substrates, as well as the semiconductor device shows superior reliability.

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